

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Electronics and Communication Engineering - NOC:Basics of Software Defined Radios and Pr

Subject Co-ordinator - Dr. Meenakshi Rawat

Co-ordinating Institute - IIT - Roorkee

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Foundation for software defined radio
Lecture 2 - Components of a software defined radio
Lecture 3 - Software defined radio architectures - Part I
Lecture 4 - Software defined radio architectures - Part II
Lecture 5 - Software defined radio architectures - Part III
Lecture 6 - Software defined radio architectures - Part IV
Lecture 7 - Distortion Parameters - Part I
Lecture 8 - Distortion Parameters - Part II
Lecture 9 - Distortion Parameters
Lecture 10 - Distortion Parameters
Lecture 11 - Power Amplifiers
Lecture 12 - Power Amplifiers
Lecture 13 - Case study-I
Lecture 14 - Case study-II
Lecture 15 - Behavioral models for representing nonlinear distortions
Lecture 16 - Linearization Techniques for nonlinear distortion
Lecture 17 - Predistortion Techniques for nonlinearity distortion in SDR
Lecture 18 - Basic Digital Predistortion Techniques for nonlinear distortion in SDR
Lecture 19 - State-of-the-art Digital Predistortion Techniques for Nonlinear Distortion in SDR
Lecture 20 - Digital Predistortion Techniques for Linear as well as Nonlinear Distortion in SDR

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